

IN THE CLAIMS

This listing of claims is provided for the convenience of the Examiner. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (currently amended) A Communication device ~~(1)~~ communication device for transmitting and receiving data in a communication system, in which a random access channel with a plurality of access resources is provided, the device comprising:

selecting means ~~(5)~~ for randomly selecting an access resource from said plurality of access resources on the basis of an access probability distribution being allocated to said communication device ~~(1)~~, said access probability distribution defining the probability of a random access to said access resources[[,]];

whereby at least two access resources have a different access probability, and

transmitting means ~~(3)~~ for transmitting a random access burst in said randomly selected access resource.

2. (currently amended) The communication device ~~Communication device (1)~~ according to claim 1, ~~characterized in, that~~ wherein said plurality of access resources is divided in at least two access resource groups, whereby the communication device ~~(1)~~ is allocated to one of the access resource groups and said selecting means ~~(5)~~ randomly selects an access resource only from said allocated access resource group on the basis of said access probability distribution.

3. (currently amended) The communication device ~~Communication device (1)~~
according to claim 1, ~~characterized by~~ further comprising a memory means (7) in which said
access probability distribution is stored.

4. (currently amended) The communication device ~~Communication device (1)~~
according to claim 3, ~~characterized in, that~~ wherein said memory means (7) is a ~~fixed part~~ an
integral component of the communication device.

5. (currently amended) The communication device ~~Communication device (1)~~
according to claim 3, ~~characterized in, that~~ wherein said memory means (7) is part of a device
~~which~~ that is connectable to the communication device.

6. (currently amended) The communication device ~~Communication device (1)~~
according to claim 5, ~~characterized in being~~ wherein the communication device is a mobile
terminal of a wireless telecommunication system, whereby said device is a subscriber identity
module.

7. (currently amended) The communication device ~~Communication device (1)~~
according to claim 5, ~~characterized in being~~ wherein the communication device is a mobile
terminal of a wireless telecommunication system, whereby said device is a memory stick.

8. (currently amended) The communication device ~~Communication device (1)~~
according to claim 1, ~~characterized in, that~~ wherein said access probability distribution is changed
upon the occurrence of a specific event.

9. (currently amended) The communication device ~~Communication device (1)~~
according to claim 8, ~~characterized in, that~~ wherein said specific event is the reception of a
corresponding information from another communication device.

10. (currently amended) The communication device ~~Communication device (1)~~
according to claim 8, ~~characterized in, that~~ wherein said specific event is a timepoint.

11. (currently amended) The communication device ~~Communication device (1)~~
according to claim 1, ~~characterized in, being~~ wherein the communication device is a mobile
terminal of a wireless UMTS system, whereby said access resources of said random access
channel are defined by time slots and signature codes.

12. (currently amended) A communication ~~Communication~~ method for
transmitting and receiving data in a communication system, in which a random access channel
with a plurality of access resources is provided, with the steps of:

randomly selecting an access resource from said plurality of access resources on
the basis of an access probability distribution, said access probability distribution defining the
probability of a random access to said access resources,

whereby at least two access resources have a different access probability[[,]]; and

transmitting a random access burst in said randomly selected access resource.

13. (currently amended) The communication ~~Communication~~ method according to claim 12, ~~characterized in, that~~ wherein said plurality of access resources is divided in at least two access resource groups, whereby one or more communication devices of the communication system are allocated to each of the access resource groups and each communication device randomly selects an access resource only from an allocated access resource group on the basis of ~~an~~ the access probability distribution.

14. (currently amended) The communication ~~Communication~~ method according to claim 12, ~~characterized in, that~~ wherein said access probability distribution is changed upon occurrence of a specific event.

15. (currently amended) The communication ~~Communication~~ method according to claim 14, ~~characterized in, that~~ wherein said specific event is the reception of a corresponding information from another communication device.

16. (currently amended) The communication ~~Communication~~ method according to claim 14, ~~characterized in, that~~ wherein said specific event is a timepoint.

17. (currently amended) The communication ~~Communication~~ method according to claim 12, ~~characterized in, that~~ wherein said communication system is a wireless UMTS

system, whereby said access resources of said random access channel are defined by time slots and signature codes.

18. (new) A communication device for transmitting and receiving data in a communication system, in which a random access channel with a plurality of access resources is provided, the device comprising:

selecting means for randomly selecting an access resource from said plurality of access resources on the basis of an access probability distribution being allocated to said communication device,

said access probability distribution defining, for each access resource of said plurality of access resources, the probability of a random access of said communication device to said access resource, so that the probabilities of a random access of said communication device to at least two access resources of said plurality of access resources are different from each other; and

transmitting means for transmitting a random access burst in said randomly selected access resource.

19. (new) A communication method for transmitting and receiving data in a communication system, in which a random access channel with a plurality of access resources is provided, with the steps of:

randomly selecting an access resource from said plurality of access resources on the basis of an access probability distribution, said access probability distribution defining, for each access resource of said plurality of access resources, the probability of a random access to

said access resources, so that the probabilities of a random access of said communication device to at least two access resources of said plurality of access resources are different from each other; and

transmitting a random access burst in said randomly selected access resource.